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NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
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alerts (SDIs) affected
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NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
February 2005.
NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian
Agency for Patents and Trademarks (ROSPATENT)

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FILE 'HOME' ENTERED AT 14:24:29 ON 08 FEB 2005

=> array (s) wash? (w) DNA

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=> fil medline biosis caplus embase wpids

COST IN U.S. DOLLARS

SINCE FILE

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FULL ESTIMATED COST

0.42

0.42

FILE 'MEDLINE' ENTERED AT 14:25:40 ON 08 FEB 2005

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=> array (s) wash? (w) DNA

L1 1 ARRAY (S) WASH? (W) DNA

=> d ibib abs l1

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:101364 CAPLUS

DOCUMENT NUMBER: 134:159830

TITLE: Methods and apparatus for nanoscale nucleic acid template capture and normalization for submicroliter reaction and uses in submicroliter DNA sequencing

INVENTOR(S): Hadd, Andy; Jovanovich, Stevan

PATENT ASSIGNEE(S): Molecular Dynamics, Inc., USA

SOURCE: PCT Int. Appl., 131 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009389	A2	20010208	WO 2000-US21182	20000802
WO 2001009389	A3	20010816		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,			

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 6423536 B1 20020723 US 2000-577199 20000523
 CA 2380794 AA 20010208 CA 2000-2380794 20000802
 EP 1203099 A2 20020508 EP 2000-952450 20000802
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL
 JP 2003505110 T2 20030212 JP 2001-513644 20000802
 PRIORITY APPLN. INFO.: US 1999-146732P P 19990802
 US 2000-577199 A 20000523
 WO 2000-US21182 W 20000802

AB Methods for preparing nanoscale reactions using nucleic acids are presented. Nucleic acids are captured saturably, yet reversibly, on the internal surface of the reaction chamber, typically a capillary. Excess nucleic acid is removed and the reaction is performed directly within the capillary. Alternatively, the saturably bound nucleic acid is eluted, dispensing a metered amount of nucleic acid for subsequent reaction in a sep. chamber. Devices for effecting the methods of the invention and a system designed advantageously to utilize the methods for high throughput nucleic acid sequencing reactions using capillary array electrophoresis are also provided.

=> FIL STNGUIDE

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Feb 4, 2005 (20050204/UP).

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	0.18	15.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

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FILE 'WPIDS' ENTERED AT 14:28:16 ON 08 FEB 2005

=> array and wash? and DNA

L2 434 ARRAY AND WASH? AND DNA

=> thermophore? and l2

L3 0 THERMOPHORE? AND L2

=> thermal (w) gradient and l2

L4 1 THERMAL (W) GRADIENT AND L2

=> d ibib abs l4

L4 ANSWER 1 OF 1 MEDLINE on STN

ACCESSION NUMBER: 2003105480 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12618377

TITLE: Genotyping on a **thermal gradient DNA** chip.

AUTHOR: Kajiyama Tomoharu; Miyahara Yuji; Kricka Larry J; Wilding Peter; Graves David J; Surrey Saul; Fortina Paolo

CORPORATE SOURCE: Department of Pediatrics, The Children's Hospital of Philadelphia and University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104, USA.

CONTRACT NUMBER: P60-HL38632 (NHLBI)

R21CA83220-01A1 (NCI)

SOURCE: Genome research, (2003 Mar) 13 (3) 467-75.

Journal code: 9518021. ISSN: 1088-9051.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200304

ENTRY DATE: Entered STN: 20030306

Last Updated on STN: 20030416

Entered Medline: 20030411

AB Silicon-based chips with discrete, independently temperature-controlled islands have been developed for use in **DNA** microarray hybridization studies. Each island, containing a heater made of a diffusion layer and a temperature sensor based on a p-n junction, is created on a silicon dioxide/nitride surface by anisotropic etching. Different reactive groups are subsequently added to the surface of the islands, and allele-specific oligonucleotide probes are attached to discrete spots on the chip. Hybridization is performed with Cy5-tagged single-stranded targets derived by PCR from genomic **DNA**. Results are assessed by measuring fluorescence of bound dye-tagged targets after hybridization and **washing**. Temperatures at each island can be set at different values to obtain optimal distinction between perfect matches and mismatches. This approach facilitates definition of optimal temperatures for probe/target annealing and for distinction between perfectly matched versus mismatched solution-phase targets. The **thermal gradient DNA** chips were then tested for genotyping, and the results for four different loci in two genes are presented. Unambiguous typing was achieved for clinically relevant loci within the factor VII and hémochromatosis genes.

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.56

34.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

CA SUBSCRIBER PRICE

ENTRY
0.00

SESSION
-0.73

STN INTERNATIONAL LOGOFF AT 14:30:24 ON 08 FEB 2005